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<!--StartFragment-->RESULT 1
US-09-548-372D-6
; Sequence 6, Application US/09548372D
; Patent No. 6420534
; GENERAL INFORMATION:
; APPLICANT: GURNEY ET AL.
; TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 29915/62801
; CURRENT APPLICATION NUMBER: US/09/548,372D
; CURRENT FILING DATE: 2000-04-12
; PRIOR APPLICATION NUMBER: US 60/155,493
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 09/404,133
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: PCT/US99/20881
; PRIOR FILING DATE: 1999-09-23
; PRIOR APPLICATION NUMBER: US 60/101,594
; PRIOR FILING DATE: 1998-09-24
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 476
; TYPE: PRN
; ORGANISM: Homo sapiens
US-09-548-372D-6

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Query Match          99.2%; Score 2401.5; DB 2; Length 476;
Best Local Similarity 95.6%; Pred. No. 3.3e-249;
Matches Conservative 0; Mismatches 0; Indels 21; Gaps 1;

Qy      1 MAQALPWLLWMGAGVLPAGTQHGIRLPLASGLGAPLGLRLPRETDEEPEEPGRGGSF 60
Db      1 MAQALPWLLWMGAGVLPAGTQHGIRLPLASGLGAPLGLRLPRETDEEPEEPGRGGSF 60

Qy      61 VEMVDNLRGKSGQGYVEMTVGSPQTLNLIIVDTGSSNFAVGAAPHFPLHRYYQRLSST 120
Db      61 VEMVDNLRGKSGQGYVEMTVGSPQTLNLIIVDTGSSNFAVGAAPHFPLHRYYQRLSST 120

Qy      121 YRDLRKGVVYPYTGKWEGLGTDLVSIPIHGNVTVRANIAAITESDKFFINGSNWEGIL 180
Db      121 YRDLRKGVVYPYTGKWEGLGTDLVSIPIHGNVTVRANIAAITESDKFFINGSNWEGIL 180

Qy      181 GLAYAEIARLCGAGFPINQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYVEIIV 219
Db      181 GLAYAEIARLCGAGFPINQSEVLASVGGSMIIGGIDHSLYTGSLWYTPIRREWYVEIIV 240

Qy      220 RVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPLPKKVEAAVKSIIKAASSTEKFPDGFVLG 279
Db      221 RVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPLPKKVEAAVKSIIKAASSTEKFPDGFVLG 300

Qy      280 EQLVCWQAGITPWNIFPVISLYLMGEVTNQSFRIITLPQCYLRPVEDVATSDQDCYKFAI 339
Db      301 EQLVCWQAGITPWNIFPVISLYLMGEVTNQSFRIITLPQCYLRPVEDVATSDQDCYKFAI 360

Qy      340 QSSSTGTVMGAVIMEGYVWFDRARRKIGFAVSACHVHDEFRTAAVEGPFVITLMDGCGY 399
Db      361 QSSSTGTVMGAVIMEGYVWFDRARRKIGFAVSACHVHDEFRTAAVEGPFVITLMDGCGY 420

Qy      400 NIPQTDSTLMTIAYVMAAICALEMFLPLCMVQWRCLRCLRQHQHDFADDISLLK 455
Db      421 NIPQTDSTLMTIAYVMAAICALEMFLPLCMVQWRCLRCLRQHQHDFADDISLLK 476

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